

## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number: 90655

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number: 90655

OR

<input type="checkbox"/> Firm or Individual Name	
Address	
City	State Zip
Country	
Telephone	Email

Assignee Name and Address:

Aptina Imaging Corporation  
Walker House, 87 Mary Street  
George Town, Grand Cayman KY1-9022, Cayman Islands

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/95 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

### SIGNATURE OF Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	September 16, 2009
Name	Douglas A. Cardwell	Telephone	904-660-2720
Title			

### See Attached Power by Resolution

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

APTINA IMAGING CORPORATION  
(the "Company")

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WRITTEN RESOLUTIONS OF THE SOLE DIRECTOR  
OF THE COMPANY DATED 10 JULY 2009

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**1. PATENT, TRADEMARK AND COPYRIGHT PROSECUTION MATTERS**

**1.1 IT IS RESOLVED that:**


- (a) Mr. Douglas A. Cardwell be and is hereby authorised to execute on behalf of the Company, documents pertaining to the Company's patent, trademark and copyright prosecution matters, including but not limited to documents relating to representation before an examining authority and other prosecution procedures, both in the United States and other countries, upon such terms and conditions as he shall deem necessary or appropriate; and
- (b) the Secretary or sole Director of the Company be and is hereby authorised to certify to the adoption and continued effectiveness of these resolutions.

**2. GENERAL AUTHORISATION**

- 2.1 IT IS RESOLVED** that, in connection with the actions contemplated by the foregoing resolutions, the sole Director, or each of the officers or (if applicable) any attorney or duly authorised signatory of the Company (any such person being an "Attorney" or "Authorised Signatory" respectively) be, and each hereby is, authorised, in the name and on behalf of the Company, to do such further acts and things as the sole Director or any officer or such duly authorised other person shall deem necessary or appropriate in connection with, or to carry out the actions contemplated by, the foregoing resolutions, including to do and perform (or cause to be done and performed), in the name and on behalf of the Company, all such acts and to make, execute, deliver, issue or file (or cause to be made, executed, delivered or filed) with any person including any governmental authority or agency, all such agreements, documents, instruments, certificates, consents and waivers, and all amendments to any such agreements, documents, instruments or certificates, and to pay, or cause to be paid, all such payments, as any of them may deem necessary or advisable to carry out the intent of the foregoing resolutions, the authority for the taking of any such action and the execution and delivery of such of the foregoing to be conclusively evidenced thereby.

**3. RATIFICATION OF PRIOR ACTIONS**

- 3.1 IT IS RESOLVED** that any and all actions of the Company, or of the sole Director or any officer or any Attorney or Authorised Signatory, taken in connection with the actions contemplated by the foregoing resolutions prior to the execution hereof be and hereby are ratified, confirmed, approved and adopted in all respects as fully as if such action(s) had been presented to for approval, and approved by, the sole Director prior to such action being taken.

  
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Aptina Holdings (Cayman) Inc.  
Sole Director

AUTHORISED PERSON

**ATTACHMENT "A"**

**IMAGING PATENTS**

## Aptina Issued

PATENT NUMBER	FILE NUMBER	TITLE	COUNTRY NAME	ISSUE DATE
60047658	AVGO-0002.00/DE	Method For Detecting And Correcting Defective Pixels In A Digital Image Sensor	Germany	Apr 26, 2006
80310706.0(1506879)	2002-0566.00/DE	COLOR FILTER IMAGING ARRAY AND METHOD OF FORMATION	Germany	Dec 27, 2006
60311107.5	2002-0306.00/DE	WIDE DYNAMIC RANGE LINEAR AND LOG-ACTIVE PIXEL	Germany	Jun 16, 2007
60314692.9	AVGO-0046.00/DE	DIGITAL IMAGE SYSTEM AND METHOD FOR COMBINING DEMOSAICING AND BAD PIXEL CORRECTION	Germany	Jul 4, 2007
6087641	AVGO-0165.00/US	AN OPTICAL DEVICE PACKAGE INCLUDING AN ASSEMBLED LENS (AS APPLIED)	United States of America	Mar 14, 2000
6043890	PBIT-0024.00/US	BIDIRECTIONAL FOLLOWER FOR DRIVING A CAPACITIVE LOAD	United States of America	Mar 28, 2000
6063247	PBIT-0007.00/US	LOW-VOLTAGE COMMON SOURCE SWITCHED CAPACITOR	United States of America	Apr 11, 2000
6061667	AVGO-0182.00/US	Interlayer Dielectric For Passivation Of An Elevated Integrated Circuit Sensor Structure	United States of America	Apr 18, 2000
6087970	PBIT-0003.00/US	ANALOG-TO-DIGITAL CONVERSION	United States of America	Jul 11, 2000
6087546	PBIT-0042.00/US	CONCENTRIC LENS WITH ASPHERIC CORRECTION	United States of America	Aug 1, 2000
6111300	AVGO-0152.00/US	MULTIPLE COLOR DETECTION ELUATED PHOTODIODE ACTIVE PIXEL SENSOR	United States of America	Aug 28, 2000
6137100	PBIT-0023.00/US	CMOS image sensor with different pixel sizes for different colors	United States of America	Oct 24, 2000
6106339	PBIT-0057.00/US	VECHAMP FOR CMOS IMAGERS	United States of America	Oct 31, 2000
6147619	PBIT-0008.00/US	LOW-VOLTAGE COMPARATOR WITH WIDE INPUT VOLTAGE SWING	United States of America	Nov 14, 2000
6147626	AVGO-0153.00/US	DRIVE CIRCUIT WITH OVERVOLTAGE PROTECTION FOR USE WITH PIXEL SENSOR AND OTHER CIRCUITS	United States of America	Nov 14, 2000
6166367	PBIT-0011.00/US	PROGRAMMABLE ANALOG ARITHMETIC CIRCUIT FOR IMAGING SENSOR	United States of America	Dec 26, 2000